KUV 1 4 2000

SEQUENCE LISTING

NOV 17 2000

TECH CENTER 1600/2900

<110> DONG, KE-WEN ANEMAN OEHNINGER, SERGIO GIBBONS, WILLIAM

<120> RECOMBINANT, BIOLOGICALLY ACTIVE HUMAN ZONA PELLUCIDA PROTEIN 3 (hZP3) TO TEST MALE FERTILITY

RECEIVED

NOV 2 1 2000

TECH DEMIER (CERESON)

<130> 024754/0114

<140> 09/252,828

<141> 1999-02-19

<160> 5

<170> PatentIn Ver. 2.1

<210> 1

<211> 40

<212> PRT

<213> Homo sapiens

<400> 1

Ser Trp Phe Pro Val Gln Gly Pro Ala Asp Ile Cys Gln Cys Cys Asn 1 5 10 15

Lys Gly Asp Gly Thr Pro Ser His Ser Arg Arg Glu Pro His Val Met 20 25 30

Ser Gln Trp Ser Arg Ser Val Ser 35 40

<210> 2

<211> 41

<212> PRT

<213> Homo sapiens

<400> 2

Ser Trp Phe Pro Val Gln Gly Pro Ala Asp Ile Cys Gln Cys Cys Asn 1 5 10 15

Lys Gly Asp Cys Gly Thr Pro Ser His Ser Arg Arg Gln Pro His Val 20 25 30

Met Ser Gln Trp Ser Arg Ser Val Ser

<210> 3

<211> 41

<212> PRT

<213> Murine sp.

<400> 3

Ser Trp Leu Pro Val Gln Gly Asp Ala Asp Ile Cys Asp Cys Cys Ser 1 5 10 15

```
His Gly Asn Cys Ser Asn Ser Ser Ser Ser Gln Phe Gln Ile His Gly
Pro Arg Gln Trp Ser Lys Leu Val Ser
<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Primer
<400> 4
                                                                    21
accatggagc tgagctatag g
<210> 5
<211> 64
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Primer
```

ttctcgagtt aatgatgatg atgatgatga tgatcggaag cagacacaca gggtgggagg 60

cagt